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said detection station, wherein said medium is varied by variations in the composition of said matter at said transverse section, obtaining from said detection station first detection data as to constituent of said first stream, passing a second stream of matter through said detection station simultaneously with said first stream, emitting detection medium to be active at a transverse section of said second stream at said detection station wherein the latter medium is varied by variations in the composition of matter of said second stream at the latter transverse section, and obtaining from said detection station second detection data as to a constituent of said second stream, and wherein the varied medium from both of the first and second streams is received by a receiving device to both streams.

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Claim 174 (twice amended). A method of automatically inspecting a stream of matter for varying composition, comprising a detection station through which said stream passes, emitting means serving to emit a detection medium to be active at a transverse section of said stream at said station, receiving means at said station arranged to extend physically across substantially the width of said stream serving to receive detection medium varied by variations in the composition of said matter at said section, detecting means arranged to be in communication with said receiving means and serving to generate detection data independent upon the variations in said medium, and data-obtaining means connected to said detecting means and serving to obtain said detection data therefrom, wherein said station is a metal-detection station, said emitting means serves to emit electromagnetic field, and said receiving means comprises a multiplicity of electromagentic field sensing devices arranged to be distributed across said stream.

✓
Please cancel claim 176.

REMARKS

The Office Action indicates that claims 148-154 and 172 would be allowable if rewritten or amended to overcome rejections under 35 USC §112 paragraph 2. The applicant has rewritten the claims accordingly as detailed below. Therefore, claims 148-